



PATENT

09/845896

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Steven Towle et al.
Serial No.: 09/845896
Filed: April 30, 2001
Title: HIGH PERFORMANCE, LOW COST MICROELECTRONIC CIRCUIT PACKAGE WITH INTERPOSER
Assignee: Intel Corporation

Examiner: Nitin Parekh
Group Art Unit: 2811
Docket: 884.409US1

Customer No.: 21186

#11 / 30pp
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8-7-03
R1016

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Applicants note that certain of the enclosed documents were first brought to Applicants' attention via International Search Reports in PCT/US01/12088, mailed May 22, 2003, and PCT/US02/15802, mailed May 8, 2003, as well as a Partial International Search Report in PCT/US02/25089, mailed May 12, 2003. Copies of these search reports are enclosed.

Pursuant to 37 C.F.R. §1.97(c)(2), Applicants have included the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p). Please charge any additional fees or credit any overpayment to Deposit Account No. 19-0743.

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Assignee: Intel Corporation

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Dkt: 884.409US1 (INTEL)

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

STEVEN TOWLE ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Attorneys for Intel Corporation

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Date

July 22, 2003

By

Charles E. Steffey

Reg. No. 25,179

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 22 day of July, 2003.

Name

KACIA LEE

Signature

Kacia Lee

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Steven Towle et al.

Title: HIGH PERFORMANCE, LOW COST MICROELECTRONIC CIRCUIT PACKAGE WITH INTERPOSER

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P.O. Box 1450
Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ A return postcard.
- ☒ A Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (1 pg.), and copies of 14 cited documents.
- ☒ A check in the amount of \$180.00 to cover the fee for consideration of Information Disclosure Statement under 97(c).
- ☒ Copy of International Search Report in PCT/US01/12088, mailed May 22, 2003 (4 pgs.).
- ☒ Copy of International Search Report in PCT/US02/15802, mailed May 8, 2003 (5 pgs.).
- ☒ Copy of Partial International Search Report in PCT/US02/25089, mailed May 12, 2003 (2 pgs.).

If not provided for in a separate paper filed herewith, please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By:
Atty: Charles A. Steffey
Reg. No. 25,179

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(GENERAL)

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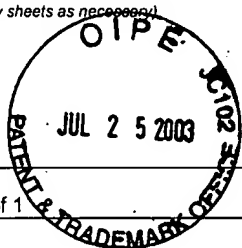
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	09/845896
Filing Date	April 30, 2001
First Named Inventor	Towle, Steven
Group Art Unit	2811
Examiner Name	Parekh, Nitin

Sheet 1 of 1

Attorney Docket No: 884.409US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-2002/0070443	06/13/2002	Mu, Xiao-Chun, et al.	257	712	12/08/2000
	US-2002/0158334	10/31/2002	Vu, Quat T., et al.	257	723	04/30/2001
	US-5,055,532	10/08/1991	Hoffman, Dwight K., et al.	525	528	07/06/1987
	US-5,355,283	10/11/1994	Marrs, Robert C., et al.	361	760	04/14/1993
	US-5,707,894	01/13/1998	Hsiao, Ming-Shan	437	209	10/27/1995
	US-6,060,777	05/09/2000	Jamieson, M P., et al.	257	707	07/21/1998

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
	EP-0476971	03/25/1992	Sakai, H., et al.	H01L	23/15	
	EP-0611129	08/17/1994	Fillion, R A., et al.	H01L	21/58	
	EP-0777274	06/04/1997	Wojnarowski, Robert J., et al.	H01L	23/538	
	EP-0877419	11/11/1998	Rinne, Glenn A., et al.	H01L	21/60	
	EP-1111662	06/27/2001	Saia, R J., et al.	H01L	21/00	
	GB-2174543	11/05/1986	Cognetti de Martis, C.	H01L	23/50	
	JP-2000-349203	12/15/2000	Kato, Chikayuki	H01L	23/28	
	JP-62-004351	01/10/1987	Tamio, S.	H01L	23/48	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached